



NOTES

1. ALL BOX DIMENSIONS ARE MINIMUM. EXACT CONFIGURATIONS VARY AMONG DIFFERENT MANUFACTURERS.
2. THE NOTED LID THICKNESSES ARE OVERALL MINIMUMS. THE DIAMOND PATTERN FOR TYPE 4, 5 AND 6 BOXES SHALL BE 3/32" MINIMUM THICK.
3. LID STIFFENER PLATES SHALL BEAR ON FRAME. MILL TO BEAR SEAT AND PERIMETER BAR FOR FULL EVEN CONTACT AROUND PERIMETER AFTER FABRICATION OF FRAME AND LID. LID AND FRAME UNITS WITH UNEVEN BEARING WILL BE REJECTED.
4. A 1/4" NC X 3/4" S.S. GROUND STUD WITH S.S. NUT & FLAT WASHER SHALL BE WELDED TO THE BOTTOM SIDE OF EACH LID. AS AN ALTERNATIVE, THE MANUFACTURER MAY ATTACH THE BONDING JUMPER TO THE FRONT FACE OF THE HINGE POCKET WITH A 5/16" NC X 3/4" S.S. BOLT WITH S.S. NUT AND FLAT WASHER.
5. SEE STANDARD SPECIFICATIONS 9-29.2.
6. THE HINGES SHALL ALLOW THE LIDS TO OPEN 180°.
7. ALL CONCRETE SHALL BE CLASS 4000.
8. A 1% TOLERANCE IS ALLOWED FOR ALL DIMENSIONS.
9. THE INSTALLED LID AND FRAME SHALL FIT WITH FULL EVEN CONTACT AROUND THE PERIMETER AFTER INSTALLATION. CARE SHALL BE TAKEN TO PREVENT ANY DEBRIS ACCUMULATION ON THE CONTACT SURFACES.
10. BOLTS AND NUTS SHALL BE LIBERALLY COATED WITH ANTI-SEIZE COMPOUND.
11. BONDING JUMPER ARE TINNED BRAIDED COPPER - #8 AWG MINIMUM x 4 FEET.

HEAVY DUTY TYPE 4, 5 AND 6 JUNCTION BOX (DUAL LID)
NOT TO SCALE

FILE NAME S:\414126\Electrical\MASTER FILES\DETAILS Homepage\Heavydutyjb_e.dgn			REGION NO. STATE		FED.AID PROJ.NO.				Washington State Department of Transportation	ENGLISH HEAVY DUTY JUNCTION BOX	PLOT12 6.41E
TIME 02:29:12 PM			10	WASH							
DATE 04/07/2005											
DESIGNED BY	RENAME JUNCTION BOX	1-11-2005	KN	JOB NUMBER							
ENTERED BY	HEIGHT CHNG 18" TO 10"	8-13-2004	JH								
CHECKED BY	HEX COUPLING NUT, BASE CHANGE 1"	7-9-2004	JH	CONTRACT NO.							
PROJ. ENGR.	REVISIONS TO MEET LOAD REQUIREMENTS	9-20-2001	JH		LOCATION NO.						
REGIONAL ADM.	REVISION	DATE	BY							TYPE 4, 5 & 6 JBOX	SHEET 2 OF 2 SHEETS